



Sequences and their Applications : Proceedings of SETA '98 /

Ding, C.

Springer London :

Imprint :

Springer,

1999

Electronic books

Monografía

This book contains survey papers and research papers by leading experts on sequences and their applications. It discusses both the theory of sequences and their applications in cryptography, coding theory, communications systems, numerical computation and computer simulation. Sequences have important applications in ranging systems, spread spectrum communication systems, multi-terminal system identification, code division multiply access communications systems, global positioning systems, software testing, circuit testing, computer simulation, and stream ciphers. The papers contained in this volume bring together experts from discrete mathematics, computer science and communications engineering, and help to bridge advances in these different areas

<https://rebiunoda.pro.baratznet.cloud:38443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhemF0ei5yZW4vMjE5MTgwMzY>

Título: Sequences and their Applications Proceedings of SETA '98 edited by C. Ding, T. Helleseth, H. Niederreiter

Editorial: London Springer London Imprint Springer 1999

Descripción física: 1 online resource (IX, 395 pages)

Mención de serie: Discrete Mathematics and Theoretical Computer Science

Contenido: Invited Contributions: The Ubiquitous Prouhet-Thue-Morse Sequence -- On Ideal Autocorrelation Sequences Arising from Hyperovals -- Cyclic Hadamard Difference Sets -- Constructions and Applications -- Correlation of m-Sequences and Related Topics -- Some Computable Complexity Measures for Binary Sequences -- Meeting the Welch Bound with Equality -- My Favorite Integer Sequences -- Regular Contributions: Complementary Interpolants and a Welch-Berlekamp-style Algorithm -- Multiscale Coarse-graining Invariant Sequences -- Regular Cosets and Upper Bounds on the Linear Complexity of Certain Sequences -- Hadamard Matrices, Self-dual Codes over the Integers Modulo 4 and their Gray Images -- On Bispecial Words and Subword Complexity of DOL Sequences -- On the Distribution of the Power Generator -- Edit Probability Correlation Attack on the Alternating Step Generator -- Automaticity of Solutions of Mahler Equations -- Correlation Distribution of the Quaternary Kasami Sequences -- Multicovering Radii of Reed-Muller Codes and the Existence of Secure

Stream Ciphers -- Inclusion Relations of Boolean Functions Satisfying PC(1) of Order k -- Notes on q-ary Interleaved Sequences -- A New Algorithm for the k-Error Linear Complexity of Sequences over GF(pm) with Period pn -- Sequences of I.I.D. Binary Random Variables Using Chaotic Dynamics -- Explicit Sequence Expansions. Counting Functions and Expected Values in the Stability Theory of Stream Ciphers -- On-line Constraint-based Pattern Matching on Sequences -- On the Randomness of a (d, k) Self-decimation Stream Key Generator -- Sequence Families with Optimum Aperiodic Mean-Square -- Correlation Parameters -- Complexity of Cascaded Clock-controlled Generators -- Feedback with Carry Shift Registers over $Z/(N)$ -- Author Index

ISBN: 9781447105510 electronic bk.) 1447105516 electronic bk.)

Materia: Computer science Data structures (Computer science) Computer software Álgebra Álgebra Computer science. Computer software. Data structures (Computer science)

Autores: Helleseht, T. Niederreiter, Harald (1944-)

Punto acceso adicional serie-Título: Discrete mathematics and theoretical computer science

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es